



**Application of:**

**William F. Howard**

Serial No.: 10/648,815

Confirmation No.: 4562

Filed: August 26, 2003

For: WELLBORE PUMPING WITH  
IMPROVED TEMPERATURE  
PERFORMANCE

**MAIL STOP AMENDMENTS**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Group Art Unit: 3672

**Examiner: Giovanna M. Collins**

Customer No. 36735

**CERTIFICATE OF MAILING**

37 CFR 1.8

I hereby certify that this correspondence is being deposited with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 11 April, 2005.

**William B. Patterson**

Typed Name

After

Dear Sir:

**RESPONSE TO OFFICE ACTION DATED DECEMBER 9, 2004**

In response to the Office Action dated December 9, 2004, having a shortened statutory period for response set to expire on March 9, 2005, please enter this response and reconsider the claims pending in the application for reasons discussed below. The Commissioner is hereby authorized to charge counsel's Deposit Account No. 20-0782/WEAT/0313/WBP, the fee of \$ 350 for 1 new independent claim and 3 new dependent claims, and for any additional fees, including extension of time fees or excess claim fees, required to make this response timely and acceptable to the Office.

**Amendments to the Specification** begin on page 2 of this paper. **Amendments to the Claims** are reflected in the listing of claims which begins on page 5 of this paper. **Amendments to the Drawings** begin on page 10 of this paper and include both an attached replacement sheet and an annotated sheet showing changes. **Remarks/Arguments** begin on page 11 of this paper.